

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/23155

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : E04B 1/04 US CL : 52/742.14, 745.09, 414 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 52/742.14, 745.09, 414 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,802,147 A (O'KONSKI) 09 April 1974 (09.04.1974), figures 1-5 and the specification.	1-24
Y	US 6,508,043 B1 (BOND et al.) 21 January 2003 (21.01.2003), figures 1-3, specification.	1-24
Y	US 4,649,682 A (BARRETT, JR. DAVE D.) 17 March 1987 (17.03.1987), figure 8.	24
Y	US 4,602,467 A (SCHILGER) 29 July 1986 (29.07.1986).	1-24
Y	US 4,909,007 A (BODNAR) 20 March 1990 (20.03.1990).	1-24
Y	US 5,526,629 A (CAVANESE) 18 June 1996 (18.06.1996).	1-24
Y	US 5,335,472 A 09 August 1994 (09.08.1994).	1-24
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
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Date of the actual completion of the international search 25 April 2005 (25.04.2005)		Date of mailing of the international search report 03 NOV 2005
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer D. Wildermuth for Brian Glessner Telephone No. 571-272-6843